

2023년 한국자기학회 동계학술대회 포스터발표 번호

발표번호	발표분야	제목	발표자	소속
EM01	Electro-Magnetic Energy Conversion	Iron loss Prediction Method Based on Transfer Learning for Linear Oscillating Actuator	이지현	한양대학교
EM02	Electro-Magnetic Energy Conversion	Characteristic Analysis of Axial Flux Permanent Magnet Machines with High-Power Density according to Stator Structures and PM arrays for Electric Propulsion Ship	김성원	전남대학교
EM03	Electro-Magnetic Energy Conversion	Electromagnetic Analysis and Comparative Study according to Shielding and Core Materials of MW Class Superconducting Generator	반휘랑	전남대학교
EM04	Electro-Magnetic Energy Conversion	타발 공정으로 인한 전동기 성능 저하 특성 해석	이진아	중앙대학교
EM05	Electro-Magnetic Energy Conversion	Study on Incremental Inductance for Predicting Operating Characteristics of the Wound Rotor Synchronous Motor	유경태	전남대학교
EM06	Electro-Magnetic Energy Conversion	Multi Objective and Variables Optimization of Interior Permanent Magnet Synchronous Motor	이주형	전남대학교
EM07	Electro-Magnetic Energy Conversion	A Study on Reduction of Magnet Usage and Cogging Torque through the Intersect Consequent Model with Spoke-Type Magnet	김호구	가천대학교
EM08	Electro-Magnetic Energy Conversion	Research on single-phase BLDC motors for home appliances to reduce costs	고승훈	가천대학교
EM09	Electro-Magnetic Energy Conversion	A Study on the Design of Cost-saving Three-Phase BLDC Motor through MWO Three-Phase BLDC Motor analysis	송윤하	가천대학교
EM10	Electro-Magnetic Energy Conversion	A Study on reducing vibration noise by changing the rotor shape for traction motors	전수빈	가천대학교
EM11	Electro-Magnetic Energy Conversion	Design for cogging torque and torque ripple reduction in vehicle EPS slotless motor	한형섭	가천대학교
EM12	Electro-Magnetic Energy Conversion	Magnetocaloric effect in pure and B doped FeNi alloys	모히트 쿠마르 사르마	창원대학교
EM13	Electro-Magnetic Energy Conversion	Spin-polarized photocatalytic CO2 reduction of magnetic halide perovskite nanocrystal using post-synthetic ion-exchange method	김태형	한양대학교
EM14	Electro-Magnetic Energy Conversion	회전자 주조 결함 검출기 자기회로 최적화	이규석	한국생산기술연구원
EM15	Electro-Magnetic Energy Conversion	IE4(슈퍼 프리미엄 효율) 산업용 영구자석 전동기의 회전자 형상에 따른 전자기 특성 분석 비교 연구	권도윤	HD현대일렉트릭
MS01	Magnetics in Medical Science	Evaluating the Viability of GPU-Boosted Image Reconstruction Using the Distance-Driven Approach for Digital Tomosynthesis in a Rectilinear Geometry within the LINAC System	조병두	동서대학교
MS02	Magnetics in Medical Science	Analysis of Use Factors in CT (Computed Tomography) Safety Management of High-Energy Electromagnetic Radiation	김창규	김천대학교
MS03	Magnetics in Medical Science	Effects of Virtual Reality-based Robot Therapy combined with Low Frequency rTMS on Cerebral Motor Evoked Potential and Latency in Patients with Stroke	최종배	조선대학교
MS04	Magnetics in Medical Science	Comparison of the benefits of steel doors and lead curtains in a typical examination room	김정호	선린대학교
MS05	Magnetics in Medical Science	Exploring the properties and potential applications of Zn-doped NiFe2O4 nanoparticles	아라마노하	영남대학교
MS06	Magnetics in Medical Science	Dental Age Estimation using Panoramic Radiograph Images with AI-based method: A Review	Sooksatra Sasi	전남대학교
MS07	Magnetics in Medical Science	약물전달용 자성나노입자-면역항체(CD3)-히알루론산 마이크로니들 패치의 피부 투과도와 자기이력곡선 특성 분석	최종구	상지대학교
MS08	Magnetics in Medical Science	Independent Executable Image-guided Simulation Software for Neuromodulation	정영진	전남대학교
MS09	Magnetics in Medical Science	Application of effective atomic number for contrast agent imaging using dual-energy computed tomography: A simulation study	김대홍	울지대학교
MS10	Magnetics in Medical Science	A Study on Increasing the Useful Field of View of Gamma Camera through the Expansion of the Use of Photosensors	백철하	강원대학교
MS11	Magnetics in Medical Science	A Study on Radioprotective Effect of HME-Mulberry Leaves against Electromagnetic Radiation	김장오	강원대학교
MS12	Magnetics in Medical Science	인체 면역시스템 활성화에 대한 자기장 효과 검증	이현숙	상지대학교
MM01	Mössbauer Magnetics	Investigation of black glaze characteristics in ceramic glaze layer using Mossbauer and positron annihilation lifetime spectroscopy	최현경	한국원자력연구원
MM02	Mössbauer Magnetics	Mossbauer spectroscopy for core-shell structured materials synthesized using e-beam irradiation	엄영랑	한국원자력연구원
MM03	Mössbauer Magnetics	Spectroscopic analysis study of excavated iron artifacts	최현경	한국원자력연구원

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MM04	Mössbauer Magnetics	Magnetic property evaluation for titanium ferrocyanide modified magnetic nanoparticles using Mossbauer spectroscopy	홍성표	한국원자력연구원
SS01	Spintronics	Pt-Ta Multilayer Channels for Spin-Orbit Torque MRAM	이현준	한국과학기술연구원
SS02	Spintronics	Asymmetric anisotropic magnetoresistance in perpendicularly magnetized films	김성태	전남대학교
SS03	Spintronics	Temperature-dependent magnetic skyrmion bubble motion	심재훈	전남대학교
SS04	Spintronics	Enhanced spin-orbit torque efficiency in Bi2Se3 by controlling the defect of transition metal oxide	이영민	연세대학교
SS05	Spintronics	Anisotropic Magnetoresistance of FeRh across the Magnetic Phase Transition	원운재	KAIST
SS06	Spintronics	Enhancing Spin-orbit torque in Pt and W Multilayers	윤지원	KIST
SS07	Spintronics	Temperature dependent unidirectional spin Hall magnetoresistance in a compensated ferrimagnetic insulator	김현규	KAIST
SS08	Spintronics	Observation of the orbital Seebeck effect in magnetic insulator/light metal bilayers	강민구	ETH Zurich
SS09	Spintronics	헬륨 이온 조사법을 이용한 [Ni/Co] 다중층의 국소 영역 자기특성 제어	정동찬	울산대학교
SS10	Spintronics	Orbital torque-driven low current magnetization switching in Pt/Co/Pt/Cr multilayer	고산	KAIST
SS11	Spintronics	Interfacial Néel Domain Wall Induced by Dzyaloshinskii-Moriya Interaction in GdCo Ferrimagnetic Bilayer	김현진	고려대학교, 한국과학기술원
SS12	Spintronics	Interfacial Dzyaloshinskii-Moriya Interaction of Ferrimagnetic Co/Gd Bilayers	주태성	KRISS
SS13	Spintronics	Spin-orbit torque in Au/CoFeB bilayer	이준수	성균관대학교
SS14	Spintronics	Enhancing Non-Centrosymmetric Distortion in Chiral Metal Halide Perovskites with CISS effect	남상현	한양대학교
SS15	Spintronics	Endowing Chirality and Magnetization in Metal-Halide Semiconductors	남상현	한양대학교
SS16	Spintronics	Anomalous Nernst Effect in Mn3Sn-based Heterostructures	ULLAH ASIF	울산대학교
SS17	Spintronics	합성 반강자성 다층 박막 구조에서 카이랄 결합에 따른 SOT 스위칭 특성 연	최원영	울산대학교
SS18	Spintronics	Magnetic properties of Mn3+xSn1-x thin film	이시하	울산대학교
SS19	Spintronics	Chirality dependent magnetoresistance through highly distorted 2D chiral hybrid perovskites at room temperature	황인국	카이스트
SS20	Spintronics	Effect of sputtering power on the magnetic properties of Pt/Co system for spin-orbit torque	조재용	DGIST
SS21	Spintronics	Micromagnetic Simulation on Artificial Topological Magnon Insulator	도주하	DGIST
SS22	Spintronics	Spin-Orbit Torques in GeTe/Co40Fe40B20 Bilayers	안정웅	KIST
SS23	Spintronics	Boron alloying effect for ultrafast-demagnetization-driven spin current	이희동	성균관대학교
MD01	Magnetization Dynamics	Asymmetric hysteresis loop and Exchange bias in FeRh/NiFe bilayer	안준일	서강대학교
MD02	Magnetization Dynamics	Nonlinear Behavior of Magnetic Domain Wall Originated by Applied Field	김강휘	UNIST
MD03	Magnetization Dynamics	Reversal Behavior of the Soft Layer in Synthetic Antiferromagnetic Structures	강명환	UNIST
MD04	Magnetization Dynamics	The Magnetic Properties of [Co/Pt] Superlattices	김준서	DGIST
MD05	Magnetization Dynamics	The study of the magnetic force touch sensor structure based the modified magnetic tunnel junction	김준서	DGIST
MD06	Magnetization Dynamics	Observation of Magnon-Phonon Interaction in YIG Film with Micro-gap	순영선	KAIST
MD07	Magnetization Dynamics	Spin wave dynamics in epitaxial antiferromagnetic α -Fe2O3 thin film prepared by pulsed laser deposition method	김수정	DGIST
MD08	Magnetization Dynamics	Skyrmion generation via dynamics of domain wall	정수영	UNIST
MD09	Magnetization Dynamics	The Spin Seebeck Effect of Bulk Yttrium Iron Garnet that Synthesized Different Annealing Process	육혜진	UNIST
MD10	Magnetization Dynamics	Instrumentation for photoelastic coefficients of metal films: the modified rotating polarizer ellipsometer	김지완	군산대학교
PM01	Permanent Magnetics	Process-structure-property relationships of Nd-Fe-B Magnet Manufactured by Laser Powder Bed Fusion	김호정	연세대학교
PM02	Permanent Magnetics	Mn-Al-Cr Doped M-Type Hexaferrites with enhanced hard magnetic properties	윤일호	한국교통대학교

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PM03	Permanent Magnetics	중희토류 저감형 고풍성 열간변형 영구자석 제조 및 Scale-up	방희련	(주)다이아씨
PM04	Permanent Magnetics	Effect of Composition and Homogenization Temperature on the High Magnetic Properties of MnBi Powder	AN XINYU	KIMS
PM05	Permanent Magnetics	Enhanced Fabrication of Grain-Refined SmFe11Ti Sintered Magnets by Reduction-Diffusion Process and Spark Plasma Sintering	윤경식	서울과학기술대학교
PM06	Permanent Magnetics	Enhancing Coercivity in Nd-Fe-B Permanent Magnets through the Appropriate Combination of Light Rare Earth and Non-Rare Earth Elements	김재혁	연세대학교
PM07	Permanent Magnetics	Fabrication and grain boundary modification of Sm1.7Fe10V2 bulk magnet	주천홍	KIMS
PM08	Permanent Magnetics	Influence of Zn-Al Substitution in Sr FeNi W-type Hexaferrite on Structural and Magnetic Properties Synthesized by Solid-State Reaction	성민경	숙명여자대학교
PM09	Permanent Magnetics	Magnetic properties enhancement of hot-deformed Ce-Fe-B magnet with LRE-containing eutectic alloy	이경미	연세대학교
PM10	Permanent Magnetics	Aerosol-assisted fabrication of α'' -Fe16N2 powders with Tunable Particle size	박혜진	KIMS
PM11	Permanent Magnetics	Continuous synthesis method of hard ferrite-embedded silica microparticles for enhanced millimeter-wave absorption	윤민별	한국재료연구원/부산대
PM12	Permanent Magnetics	Improvement of magnetic properties of sintered Nd-Fe-B magnet by grain boundary diffusion process of low melting point diffusion source	이동현	경북대학교
PM13	Permanent Magnetics	Improving the coercivity of sintered Mn-Bi magnets with a polymer coating	송영운	KIMS
PM14	Permanent Magnetics	Modification of Washing Stage in Reduction-Diffusion Process for Synthesis of Nd-Fe-B Particles with Decreased Impurities	Vitalii Galkin	KIMS
PM15	Permanent Magnetics	NH4Cl을 이용한 Nd, Dy, Tb 염화물 제조 방법	유주원	부경대학교
PM16	Permanent Magnetics	Analytical Maximum Energy Product (BH) _{max} Model for Magnetic Exchange Coupled Core-Shell Nanomagnets: Rare-earth Free Permanent Magnetic Materials	이기석	UNIST
PM17	Permanent Magnetics	Microstructure analysis of the effect of grain boundary diffusion with LRE-Al-Cu (LRE = La, Nd, and Pr) alloys on Nd-Fe-B sintered magnets	장예령	연세대학교
PM18	Permanent Magnetics	Enhancement of coercivity in Nd-Fe-B sintered magnets by internal grain boundary diffusion process with TbH	김성찬	계명대학교
PM19	Permanent Magnetics	Diverse magnetic ordering via s-orbital interstitial anionic electrons proved by hydrogen	이승용	연세대학교
SM01	Soft Magnetics	A Computer-Aided Study on Predicting the Packing fraction of Amorphous Iron Powder and Its Effect on Magnetic Properties	김정준	고등기술연구원
SM02	Soft Magnetics	Synthesis and Magnetic and Magnetoresistance properties of La _{0.7} +ySr _{0.3} +zMn _{1+x} O ₃	정효리	한국교통대학교
SM03	Soft Magnetics	Broadband electromagnetic wave absorption properties in Co-substituted W-type Ba-hexaferrite-epoxy composites	허재희	한국교통대학교
SM04	Soft Magnetics	Structural design in hexaferrite/LSMO bi-layer for improved electromagnetic wave absorption	이태우	한국교통대학교
SM05	Soft Magnetics	Fe계 광폭 리본 제조 기술	이광현	(주)이엠엘
SM06	Soft Magnetics	M-type hexaferrite-epoxy composites for effective absorbers in 5G wireless communication applications	박건영	한국교통대학교
SM07	Soft Magnetics	Investigation of Process Variables and Optimal Conditions in AM Process for FeSi through Design of Experiments	심현준	서울과학기술대학교
SM08	Soft Magnetics	Nanocrystalline Soft Magnetic Material Design for DC/AC Magnetic Properties Investigation	박지혜	숙명여자대학교
SM09	Soft Magnetics	Magnetic Properties of Nanocrystalline Ribbons with Nb Addition and Frequency	이현경	숙명여자대학교
SM10	Soft Magnetics	Electromagnetic wave absorption properties of Ni-Ti substituted Ba-M in millimeter wave band	천성준	한국재료연구원
SM11	Soft Magnetics	Effect of Nb/Mo on the Microstructure and Magnetic Properties of Fe ₈₂ -xCu ₁ Nb ₁ Si ₄ B ₁₂ M _x (M=Nb, Mo, x= 0-2) nanocrystalline soft magnetic Alloys	임현아	한국재료연구원
SM12	Soft Magnetics	Fabrication of Fe-based amorphous ring cores and their soft magnetic properties	이재원	경북대학교

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SM13	Soft Magnetics	Enhancing soft magnetic properties through nanocrystallization of a Fe-based amorphous ribbon	김진아	경북대학교
SM14	Soft Magnetics	Improving Soft Magnetic Properties of Fe-Si-B-Nb-Cu-X (X=Mo,W) Nanocrystalline Alloy by Co-Adding Transition Metals	안수봉	KIMS
SM15	Soft Magnetics	The effect of carbon addition on the glass forming ability and soft magnetic properties of Fe76Si9-xB10P5Cx amorphous alloy	남영균	KIMS
SM16	Soft Magnetics	Enhancing magnetic characteristics in soft magnetic composites via MgO insulation with high-temperature heat resistance	김혜란	KIMS
SM17	Soft Magnetics	Investigation of Soft Magnetic Properties According to Melt-spinning Conditions in Cobalt-based Amorphous Ribbons	임지윤	숙명여자대학교
SM18	Soft Magnetics	Effect of Melt Spinner Conditions on the Formation of Amorphous Alloy	이현경	숙명여자대학교
SM19	Soft Magnetics	A study on the size-dependent mixing effects of Fe based amorphous powder for high density soft magnetic composites	이민우	한국생산기술연구원
SM20	Soft Magnetics	Optimization of soft magnetic properties in Fe-based alloys through Heat-treatment and addition of Cr and Mo	최영신	한국생산기술연구원
TC01	Theory and Computational Magnetics	Anomalous Hall and Nernst effect of Mn3Al: The role of hydrostatic pressure	한귀현	울산대학교
TC02	Theory and Computational Magnetics	Comparison between Fe3GaTe2 and Fe3GeTe2: Magneto-crystalline anisotropy and exchange interaction	김경혜	울산대학교
TC03	Theory and Computational Magnetics	Spin Hall Conductivity of β -tungsten Alloys	이현주	울산대학교
TC04	Theory and Computational Magnetics	Magneto-crystalline anisotropy and Magnetostriction via tetragonal distortion in bcc - Fe & fcc -Ni	유민재	울산대학교
LM01	Low Dimensional Magnetics	Optimization of morphological characteristics of graphene oxide prepared through modified Hummer's method	Shivang Saxena	창원대학교
LM02	Low Dimensional Magnetics	Fermi level dependent Berry magnetism in van der Waals topological semimetal ZrTe5	지상현	연세대학교
SD01	Magnetic Sensors and Micro-Devices	수중 자기 통신 응용을 위한 차동 자기 유도 센서	김장열	한국전자통신연구원
SD02	Magnetic Sensors and Micro-Devices	자기장으로 구동되는 친환경 자성 종이접기 로봇	정구윤	경희대학교
SD03	Magnetic Sensors and Micro-Devices	자기 구동식 생체 영감 심장판막 시스템	유정민	경희대학교
SD04	Magnetic Sensors and Micro-Devices	자기장으로 구동되는 가변적 강성 촉각 시스템 구축	최태훈	경희대학교
SD05	Magnetic Sensors and Micro-Devices	생분해성 hydrogel을 이용한 자기 구동식 약물 전달 시스템	이어진	경희대학교
SD06	Magnetic Sensors and Micro-Devices	외부자기장에 의해 에너지 전달이 가능한 TENG 소자	김준엽	경희대학교
SD07	Magnetic Sensors and Micro-Devices	홀소자 자성맥진기와 광유전매개체를 이용한 요골동맥과 손가락 모세혈관의 혈류속도 특성 비교	이상석	상지대학교
SD08	Magnetic Sensors and Micro-Devices	홀소자 자성맥진기로 측정된 요골동맥 맥진파형들의 고압 산소치료 효과에 따른 특징점 변화에 관한 연구	이상석	상지대학교
OS01	Others	Development of PET Detector for Localization Using MLPE Based on Simulation Data	이승재	동서대학교
OS02	Others	A Study on the Positioning of Fine Scintillation Pixels in a Positron Emission Tomography Detector through Deep Learning of Simulation Data	이승재	동서대학교
OS03	Others	Optimized Parallel-Hole Collimator Design that Balances Spatial Resolution and Sensitivity through Monte Carlo simulation	이승재	동서대학교
OS04	Others	잔류응력 측정을 위한 자기적 바크하우젠 노이즈 자동교정 방법과 IoT 측정 시스템 개발	서무경	(주)스마트제어계측
OS05	Others	Development of Energy Analysis DOI Detector using Different Reflector for Each Layer of Two-Layer 6 x 6 Scintillation Pixel Array	강승훈	동서대학교
OS06	Others	Extrinsic and self-doping effect on magnetotransport of (Cd1-xZnx)3As2 devices	손혜빈	서강대학교